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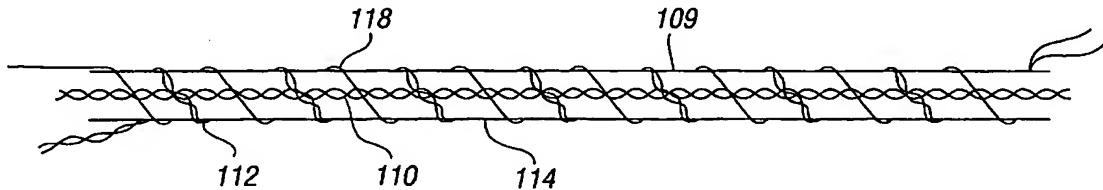
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(54) Title: INTERCONNECTING CABLE



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(57) Abstract: The invention relates to the provision of a cable and method of producing the same. The cable can be adapted and used for the generation of audio, video, data, electrical supply and other uses and comprises at least two conductor sets running along the cable. Each conductor set includes at least two conductors wound or twisted round each other with a known degree or ratio of twist. The conductor sets are spaced apart as they run along the cable and in one embodiment this is achieved by providing an elongate member along the cable to retain the spacing of the conductor sets. If required and with reference to the spacing between sets, the degree or ratio of twist or winding of the conductors in each set can be varied between sets. The cable of the invention has significantly improved performance with respect to conventionally available cables.

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB 03/01005

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01B11/04 H01R24/00
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01B H01R
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/54139 A (BELDEN WIRE AND CABLE COMPANY ; TASH THOMAS G (US); SHUMAN BRIAN R) 26 July 2001 (2001-07-26)	1-3,5, 11,12, 14-17, 20,24,25
A	page 6, line 11 - page 21, line 20; figures 1-12 -----	42-44
X	US 6 297 454 B1 (GAREIS GALEN M) 2 October 2001 (2001-10-02)	1-3,5, 11,12, 14-17, 20,24,25
A	column 2, line 43 - column 6, line 65; figures 1-9 -----	42-44
P,A	FR 2 818 000 A (SAGEM) 14 June 2002 (2002-06-14) page 7, line 21 - page 16, line 33; figures 6-9 ----- -/-	1-27, 42-44

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search

29 July 2004

Date of mailing of the international search report
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016
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Authorized officer

Demolder, J

INTERNATIONAL SEARCH REPORTInternational Application No
PCT/GB 03/01005**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/49683 A (WEATHERLEY RICHARD) 24 August 2000 (2000-08-24) page 8, line 8 - page 17, line 5; figures 1-19 -----	28,37
A	EP 0 755 100 A (TELESAFE AS) 22 January 1997 (1997-01-22) page 3, line 57 - page 9, line 7; figures 1-12 -----	29-36, 38-41
		28-41

INTERNATIONAL SEARCH REPORT**PCT/GB 03/01005****Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27 and 42-44

A cable and a method for forming a cable.

2. claims: 28-41

A plug; A socket.

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB 03/01005

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